What is claimed is:

1.   A software generation system comprising:

a specification analysis means which analyzes an object-oriented specification for deriving specification information;

a function removing means which checks said specification information derived by said specification analysis means by collating with a function removal rule which is predetermined, and removes a function which becomes unnecessary from a set of object-oriented functions, for generating program information excluding the unnecessary function; and

a code generation means for generating a code according to said program information obtained by said function removing means.

2.   A software generation system according to claim 1, wherein said function removing means removes a function of a virtual function according to said function removing rule.

3.   A software generation system according to claim 1, wherein said function removing means removes a function of dynamic generation (or installation) of an instance according to said function removing rule.

4.   A software generation system according to claim 1, wherein said function removing rule comprises:

an input pattern including an object name and a method name;

a pattern which indicates an object-oriented function, and whether "to use" or "not to use" said

5   object-oriented function; and

an output pattern including output code generation patterns with said object-oriented function being used and not used.

10   5.   A software generation system comprising:

an input means for inputting a specification described as diagrammatic information, and selecting an object-oriented function to utilize;

an analysis means for analyzing said specification

15   entered via said input means;

a function selection means which outputs pattern information for use in generating a code on the basis of a result of analysis by said analysis means and according to said object-oriented function selected; and

20   a code generation means for generating a program code of said specification analyzed according to the pattern information output from said function selection means.

25   6.   A software generation system according to claim 5, wherein said function selection means selects exclusively a function of a virtual function, and said code generation

means generates a code using the function of said virtual function exclusively selected.

7.   A software generation system according to claim 5, wherein said function selection means selects exclusively a function of dynamic installation of an instance, and said code generation means generates a code using the function of dynamic installation of said instance exclusively selected.

8.   A software generation system comprising:

a specification analysis means which analyzes an object-oriented specification for deriving specification information;

an analysis result display means for displaying a status of use of an object-oriented function from said specification information;

an input means whereby to select an object-oriented function to utilize;

a function memory means for storing a function selected via said input means;

a program information generation means for generating program information on the basis of said specification information derived by said specification analysis means and using said function selected and stored in said memory means; and

a code generation means for generating a code on

the basis of said program information obtained by said

program generation means.

9.   A software generation system according to claim 8,

5   wherein said analysis result display means displays a

method of a plurality of process methods which is not used.

10.   A software generation method comprising the steps

of:

10   analyzing an object-oriented specification entered;

generating program information using object-

oriented functions without unnecessary functions according

to a predetermined function removing rule; and

generating a code of said specification analyzed on

15   the basis of said program information.